What is claimed is:

1.   An information processing method for use with an SDL execution unit described in a specification and description language (SDL), an external environment

5   description unit described in a programming language other than the SDL, and an adapter having a pseudo internal signal generator and a queue manager, the method comprising the steps of:

connecting the SDL execution unit and the

10   external environment description unit to each other through the adapter so that signals containing at least one of messages, events, and parameters may be exchanged between the SDL execution unit and the external environment description unit through the adapter;

15   assigning a task of an operation system to the external environment description unit; and

executing the task so that the pseudo internal signal generator may convert and transfer the signals between the SDL execution unit and the external

20   environment description unit.

2.   The method of claim 1, wherein the step of executing the task includes the steps of:

receiving information to be transferred to the SDL execution unit from the external environment

25   description unit, the information being received as function parameters for the pseudo internal signal generator;

converting the information by the pseudo internal signal generator into signals to be transferred

30   to the SDL execution unit;

transferring the converted signals to the queue manager;

monitoring an internal queue of the queue manager; and

35   activating, if the internal queue is holding the converted signals, the SDL execution unit by a function call so that the activated SDL execution unit

may fetch the converted signals from the internal queue
and carry out processes accordingly.

      3.   An information processing apparatus for
processing information under the control of a task

5   assigned by an operation system, comprising:

         an adapter for connecting an SDL execution
unit described in a specification and description
language (SDL) and an external environment description
unit described in a programming language other than the

10   SDL to each other so that signals may be transferred
between the SDL execution unit and the external
environment description unit through the adapter under a
task assigned by the operation system to the external
environment description unit, the adapter having:

15   a pseudo internal signal generator' for
separating, integrating, and converting signals to be
transferred between the SDL execution unit and the
external environment description unit; and

         a queue manager having an internal queue

20   for holding the signals to be transferred between the SDL
execution unit and the external environment description
unit.